

**Notice of Allowability**

Application No.

09/815,917

Examiner

Anthony T Ton

Applicant(s)

CHOW, PETER KA-FAI

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/21/2001.
2. ☒ The allowed claim(s) is/are 1-36.
3. ☒ The drawings filed on 23 March 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



**PHIRIN SAM  
PRIMARY EXAMINER**

*File*

*Allowable Subject Matter*

1. The following is an examiner's statement of reasons for allowance:

a) **In Regarding to Claims 1-27:** The prior arts of record fail to teach a method for providing network states for a home phone line network, the method comprising a combination of steps of:

asserting a set-signaled signal if either the receive-detect-with-PCOM=2 signal or the transmit-detect-with-PCOM=2 signal is asserted, wherein assertion of the set-signaled signal asserts a signaled signal;

determining if a force-first-mode signal is asserted, or a combination of a force-second-mode signal not being asserted and either the detected signal or the signaled signal being asserted;

setting a network state to a first mode if the force-mode-mode signal is asserted, or the combination of the force-second-mode signal not being asserted and either the detected signal or the signaled signal being asserted; and

setting a network state to a second mode if the network state is not the first mode.

b) **In Regarding to Claims 28-36:** The prior arts of record fail to teach a network state machine, the network state machine comprising a combination of steps of:

a set-signaled signal, wherein the set-signaled signal is asserted when the transmit-detect-with-PCOM=2 signal is receive-detect-with-PCOM=2 signal or the asserted, wherein assertion of the set-signaled signal asserts a signaled signal;

a force-mode-mode signal, wherein the force-mode-mode signal is asserted when the station is to be forced into the 1M8 mode;

a force-second-mode signal, wherein the force-second-mode signal is asserted when the station is to be forced into the 10M8 mode; and

wherein a network state of the station is set to the 1M8 mode if the force-first-mode signal is asserted, or a combination of the force-second-mode signal not being asserted and either the detected signal or the signaled signal being asserted, wherein the network state is set to the 10M8 mode if the network state is not the 1M8 mode.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

### *Conclusion*

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Anthony T Ton** whose telephone number is **571-272-3076**. The examiner can normally be reached on M-F: 9:00 am - 5:30 pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Chau Nguyen** can be reached on **571-272-3126**. The fax phone number for the organization where this application or proceeding is assigned is **703-872-9306**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

Art Unit: 2661

applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

by:   
Anthony T. Ton  
*Patent Examiner*  
February 11, 2005

  
**PHIRIN SAM**  
**PRIMARY EXAMINER**